

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1-13. (Canceled)

14. (Currently Amended) A process for producing a freely demoldable foil from a ~~the~~ polyurethane composition, comprising components (A)-(D), at least some of which are stored separately:

(A) a di- or polyisocyanate

(B) a compound containing hydrogen active in a polyurethane reaction;

(C) a catalyst or a system catalyzing the polyurethane reaction;

(D) a fine-particle oxide of a metal or of a metalloid, as additive; at a concentration above 3% by weight
in the absence of amine initiators,

~~as claimed in claim 1, which comprises the process comprising~~ spraying the composition in one or more passes onto a smooth surface or into a mold, ~~and permitting it to react to completion, and demolding the foil after curing.~~

15. (Currently Amended) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 5 mm, ~~preferably from 0.1 to 3 mm, more preferably from 0.1 to 2 mm.~~

16. (Previously Presented) The process as claimed in claim 14, wherein the composition is sprayed using a temperature of from 40 to 90°C.

17. (Currently Amended) ~~The~~ A polyurethane foil of claim 36, in which ~~comprises~~ a the fine-particle oxide ~~of a metal or of a metalloid, its is in a~~ proportion by weight ~~preferably being~~ from 5 to 15%.

18. (Canceled)

19. (New) The process as claimed in claim 14, wherein the composition comprises

additives.

20. (New) The process as claimed in claim 14, wherein in component (A), use is made of an isocyanate in which the isocyanate groups have no direct bonding to an aromatic group.

21. (New) The process as claimed in claim 14, wherein the compound of component (B) containing active hydrogen has been selected from polyols.

22. (New) The process as claimed in claim 14, wherein component (A) has an average functionality of from 2 to 3 and an NCO content of from 8 to 25%, and component (B) has an average functionality of from 2 to 8.

23. (New) The process as claimed in claim 14, which comprises, as catalyst, titanium catalyst, or tin catalyst, or comprises a system in which the lead compounds, bismuth compounds, titanium compounds, and/or tin compounds are present.

24. (New) The process as claimed in claim 14, which also comprises an OH-terminated chain extender or crosslinking agent with a molecular weight below 1000 and with an average functionality of from 2 to 6.

25. (New) The process as claimed in claim 14, wherein the proportion by weight of component (C) is from 0.03 to 5 %.

26. (New) The process as claimed in claim 14, wherein the proportion by weight of component (D) is from 3 to 20 %.

27. (New) The process as claimed in claim 14, wherein a release agent for better demolding has also been added to the reaction mixture.

28. (New) The process as claimed in claim 14, wherein the fine-particle oxide is a fumed silicon oxide, aluminium oxide, titanium oxide or is a mixture of these

oxides.

29. (New) The process as claimed in claim 14, wherein the fine-particle oxide is an oxide hydrophobocized at least on the surface.

30. (New) The process of claim 20, comprising use of aliphatic or alicyclic isocyanates or associated derivatives selected from the group consisting of allophanates, biuretes and prepolymers.

31. (New) The process of claim 21, wherein the compound of component (B) has more than 60% of primary OH groups.

32. (New) The process of claim 28, wherein with the fine-particle oxide is also relatively small amounts of other oxides of metals or of metalloids.

33. (New) The process of claim 29, wherein the oxide hydrophobicized at least on the surface is hydrophobicized fumed silica.

34. (New) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 3 mm.

35. (New) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 2 mm.

36. (New) A demolded polyurethane foil with a thickness from 0.1 to 5 mm, which comprises a fine-particle oxide of a metal or of a metalloid, and which is free from amine initiators.

37. (New) A polyurethane composition for production of foils, comprising the following components, at least some of which are stored separately:

(A) a di- or polyisocyanate

(B) a compound containing hydrogen active in a polyurethane reaction;

(C) a catalyst or a system catalyzing the polyurethane reaction;

(D) a fine-particle oxide of a metal or of a metalloid, as additive; at a concentration by weight above 5 %;
without amine initiators.

38. (New) A polyurethane composition for production of foils, consisting essentially of the following components, at least some of which are stored separately:

- (A) a di- or polyisocyanate
- (B) a compound containing hydrogen active in a polyurethane reaction;
- (C) a catalyst or a system catalyzing the polyurethane reaction;
- (D) a fine-particle oxide of a metal or of a metalloid, as additive; at a concentration by weight above 3 %;
without amine initiators.